SIEMENS

MULTIMOBIL 10

SP

Wiring Diagrams

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Multimobil 10

Med

Wiring Diagrams
Version :4.0

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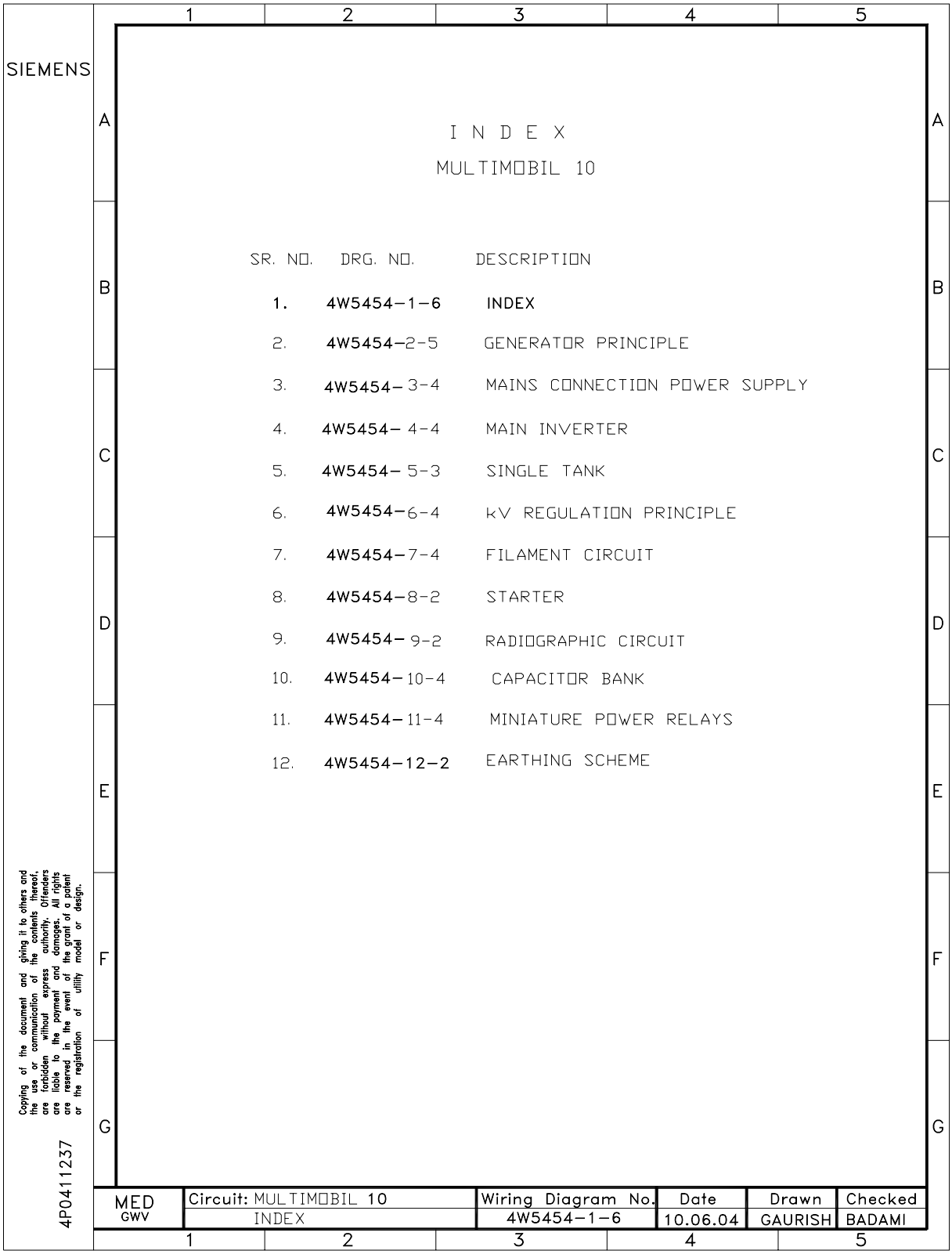
1.1 INTERNAL WIRING.....3

1.1 Internal Wiring



SIEMENS

I N D E X

MULTIMOBIL 10

SR. NO.	DRG. NO.	DESCRIPTION
1.	4W5454-1-6	INDEX
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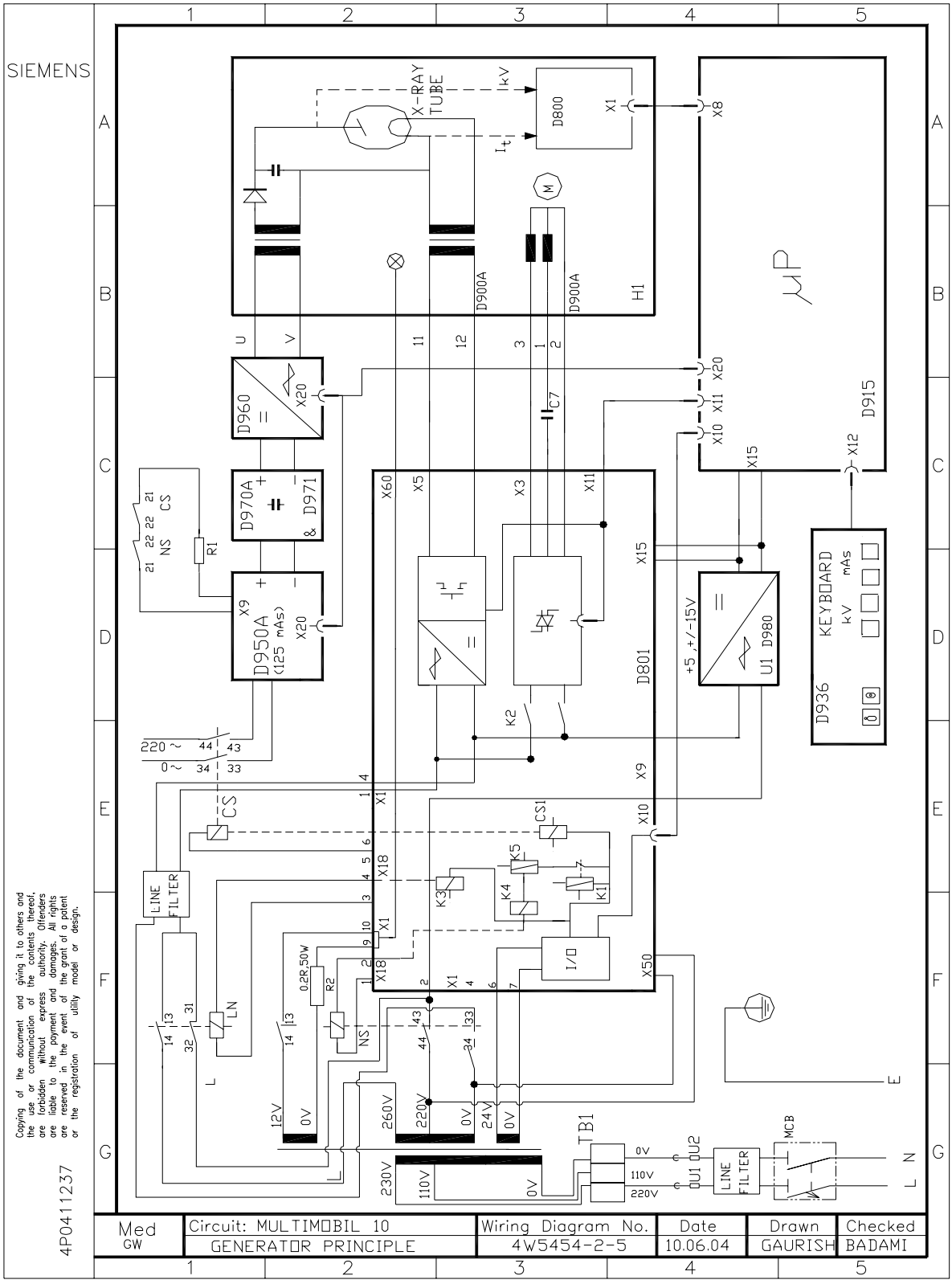
4P0411237

MED GWV	Circuit: MULTIMOBIL 10 INDEX	Wiring Diagram No. 4W5454-1-6	Date 10.06.04	Drawn GAURISH	Checked BADAMI


SIEMENS
X-RAY TUBE
kV
D800
X1
X8
D900A
D900A
H1
µP
D960
X20
D970A
& D971
D950A
(125 mAs)
X9
X20
R1
CS
NS
C7
X10 X11 X20
D915
X12
X15
KEYBOARD
kV mAs
D936
U1 D980
+5, +/-15V
D801
X60
X5
X3
X11
X15
X9
X10
CS
CS1
K1
K2
K3
K4
K5
LINE FILTER
LN
R2
0.2R,50W
I/O
X50
TB1
MCB
LINE FILTER
QU1 QU2
0V
110V
220V
12V
260V
220V
24V
230V
L
N
E
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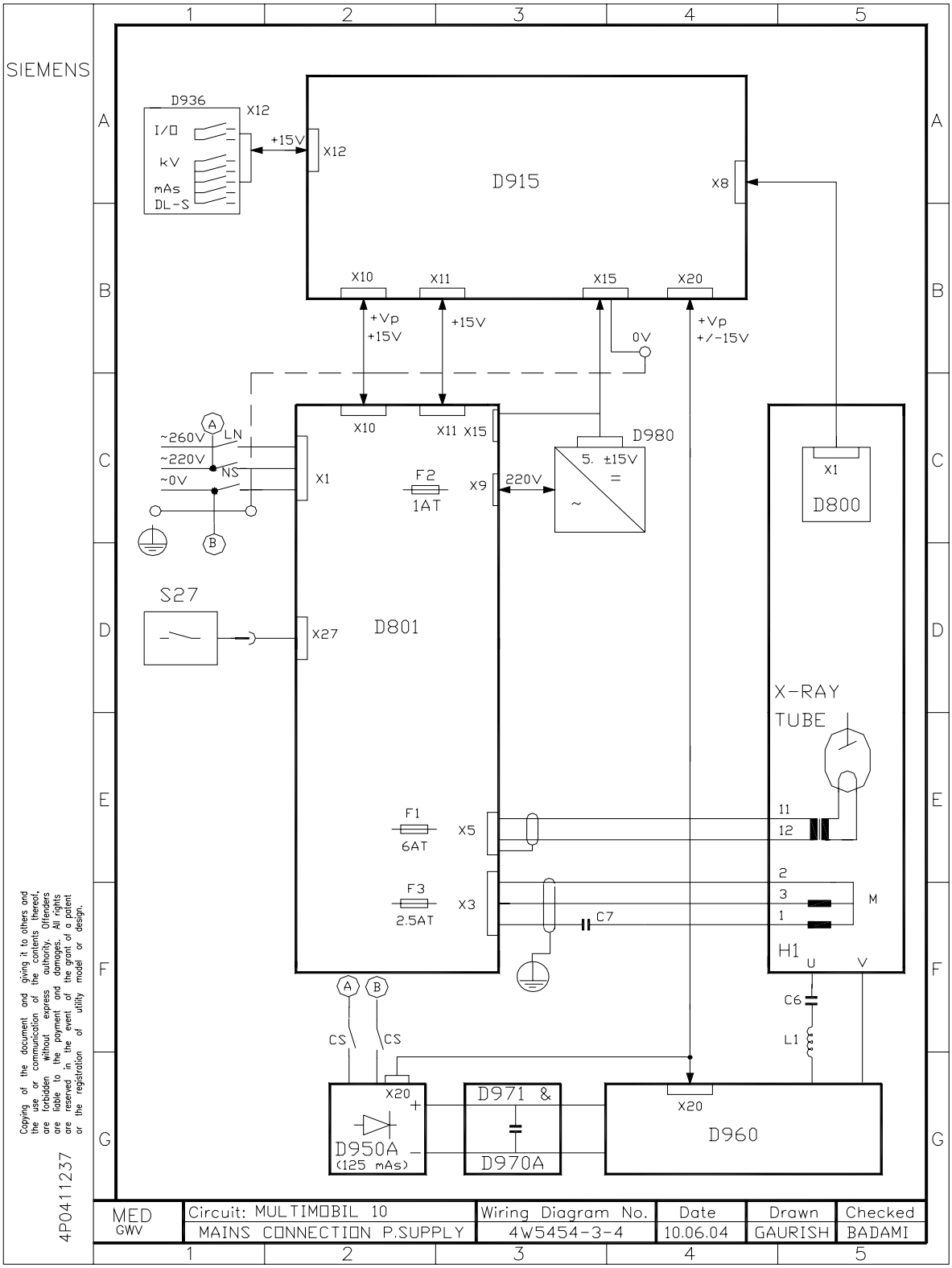
4P0411237
Med GW
Circuit: MULTIMOBIL 10
GENERATOR PRINCIPLE
Wiring Diagram No.
4W5454-2-5
Date
10.06.04
Drawn
GAURISH
Checked
BADAMI


SIEMENS
D936
I/O
kV
mAs
DL-S
X12
+15V
X12
D915
X8
X10
X11
X15
X20
+Vp
+15V
+15V
0V
+Vp
+/-15V
~260V
~220V
~0V
LN
NS
A
B
X1
F2
1AT
X9
220V
5. ±15V
=
~
D980
X1
D800
S27
X27
D801
X-RAY
TUBE
F1
6AT
X5
11
12
F3
2.5AT
X3
2
3
1
M
C7
H1
U
V
C6
L1
CS
CS
X20
D950A
(125 mAs)
D971 &
D970A
X20
D960
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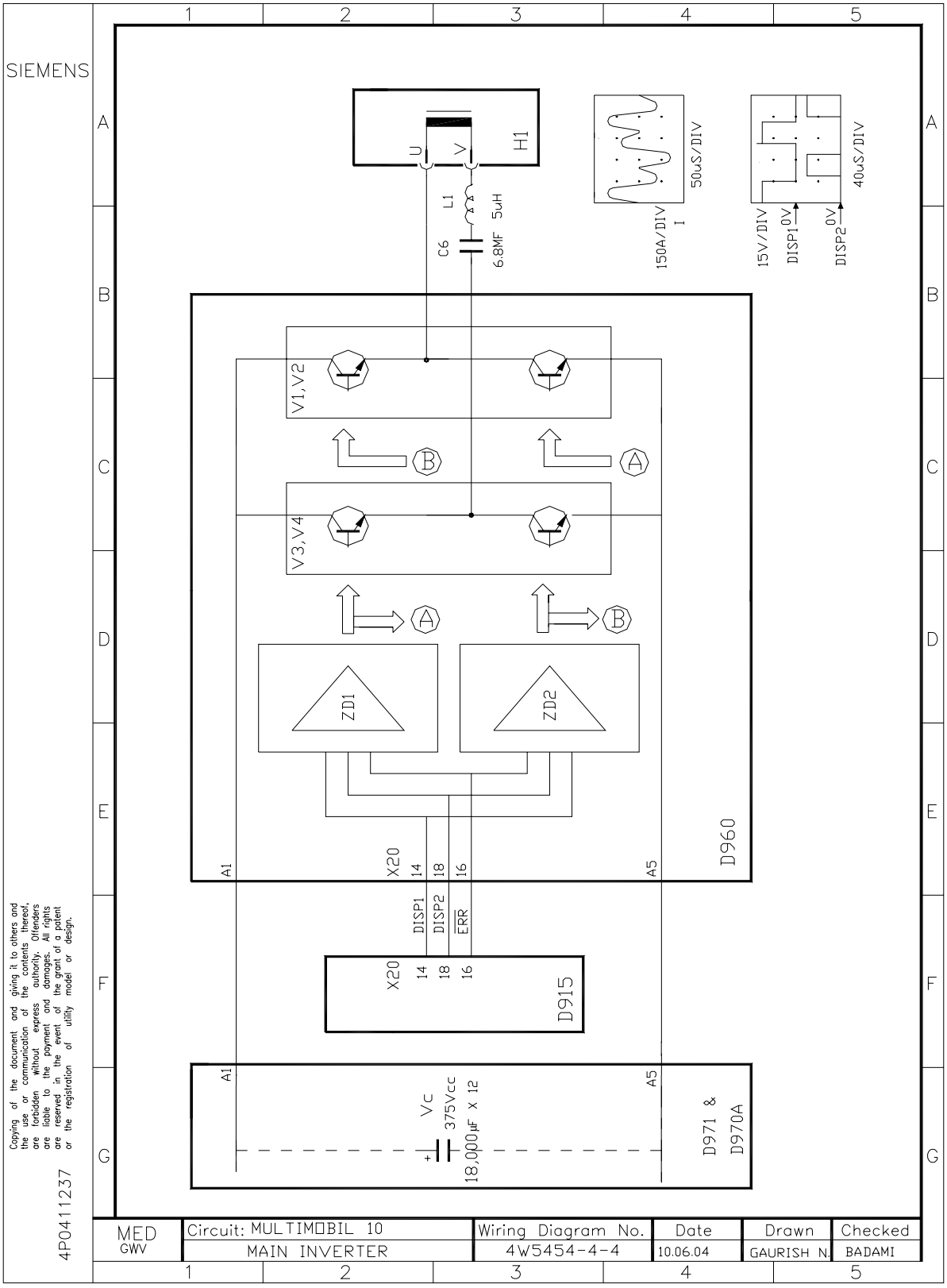
4P0411237
MED
GWV
Circuit: MULTIMOBIL 10
MAINS CONNECTION P.SUPPLY
Wiring Diagram No.
4W5454-3-4
Date
10.06.04
Drawn
GAURISH
Checked
BADAMI


SIEMENS
1
2
3
4
5
A
B
C
D
E
F
G
U
V
H1
L1
5uH
C6
6.8MF
50uS/DIV
150A/DIV
I
15V/DIV
DISP1
0V
DISP2
40uS/DIV
V1,V2
V3,V4
ZD1
ZD2
D960
A1
A5
X20
14
18
16
DISP1
DISP2
ERR
D915
Vc
375Vcc
18,000µF x 12
D971 &
D970A
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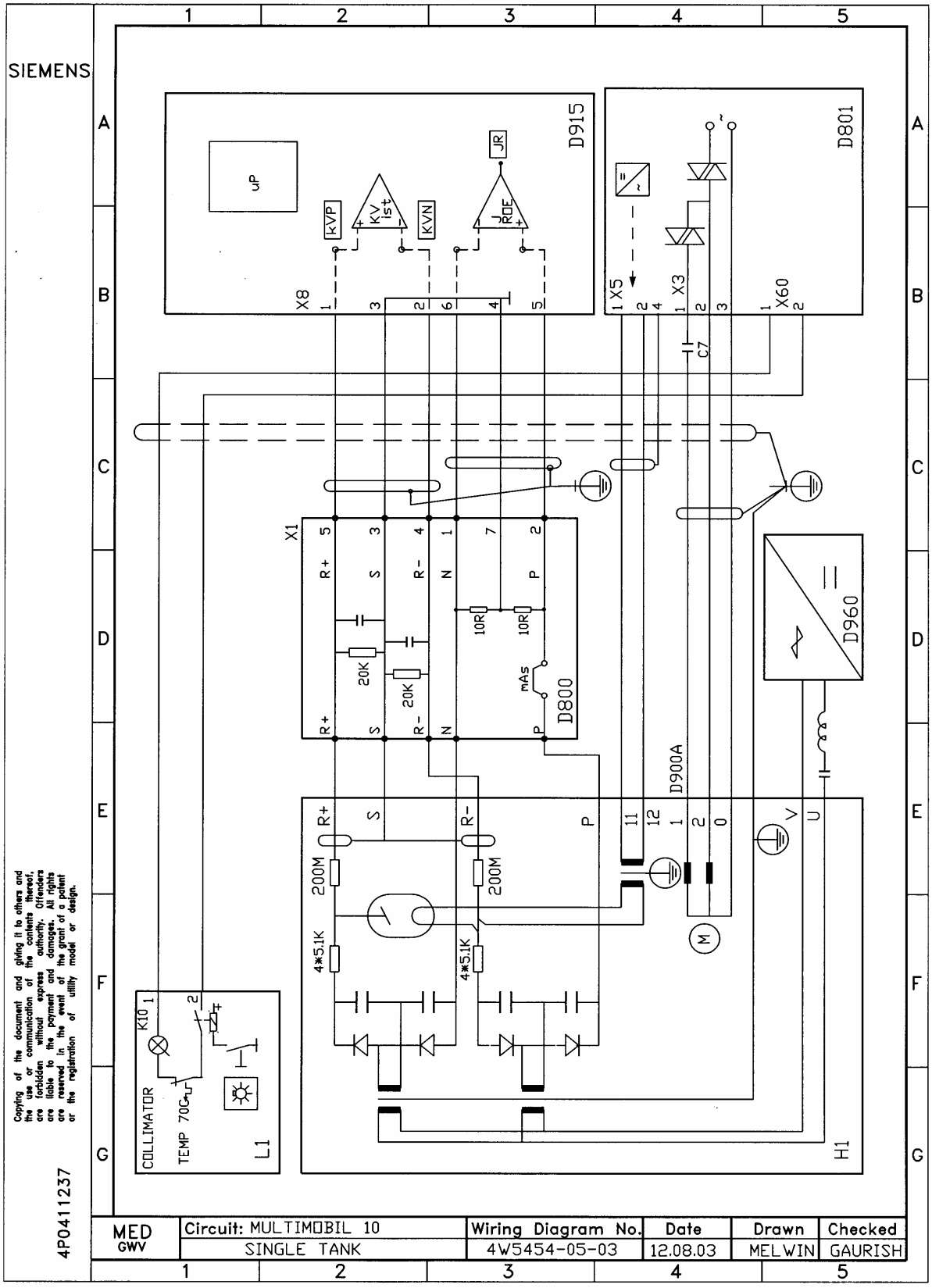
4P0411237
MED
GWV
Circuit: MULTIMOBIL 10
MAIN INVERTER
Wiring Diagram No.
4W5454-4-4
Date
10.06.04
Drawn
GAURISH N.
Checked
BADAMI



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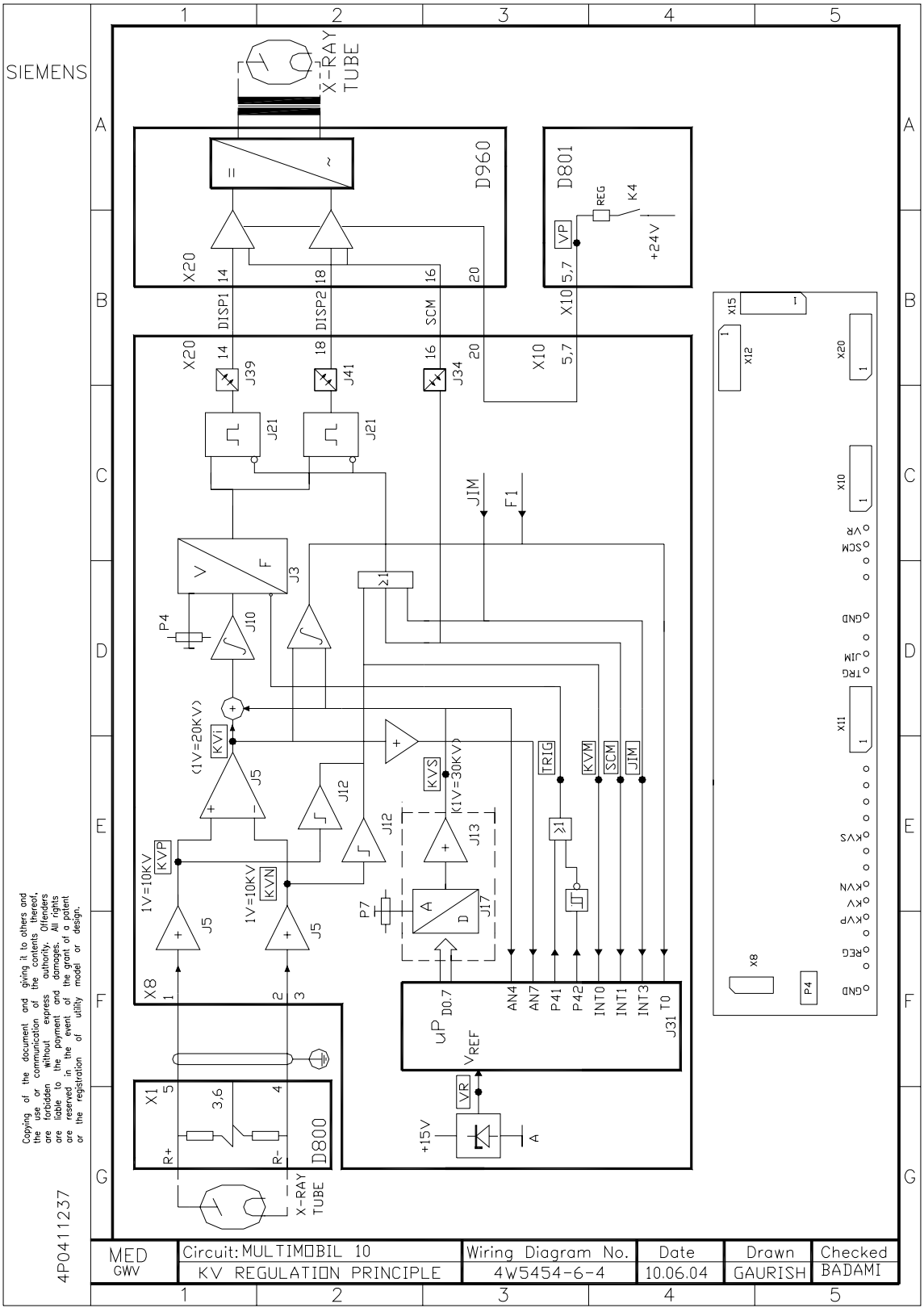
SIEMENS
X-RAY TUBE
D960
D801
X20
X10
DISP1
DISP2
SCM
REG
K4
VP
+24V
J39
J41
J34
J21
J3
J10
J5
J12
J13
J17
P4
P7
JIM
F1
KV1
KVP
KVN
KVS
KVM
TRIG
(1V=20KV)
(1V=30KV)
1V=10KV
X8
X1
D800
R+
R-
3,6
VR
+15V
µP
D0.7
VREF
AN4
AN7
P41
P42
INT0
INT1
INT3
J31
T0
X15
X12
X11
GND
SCM
JIM
TRG
KVR
KVS
KVN
KVP
REG
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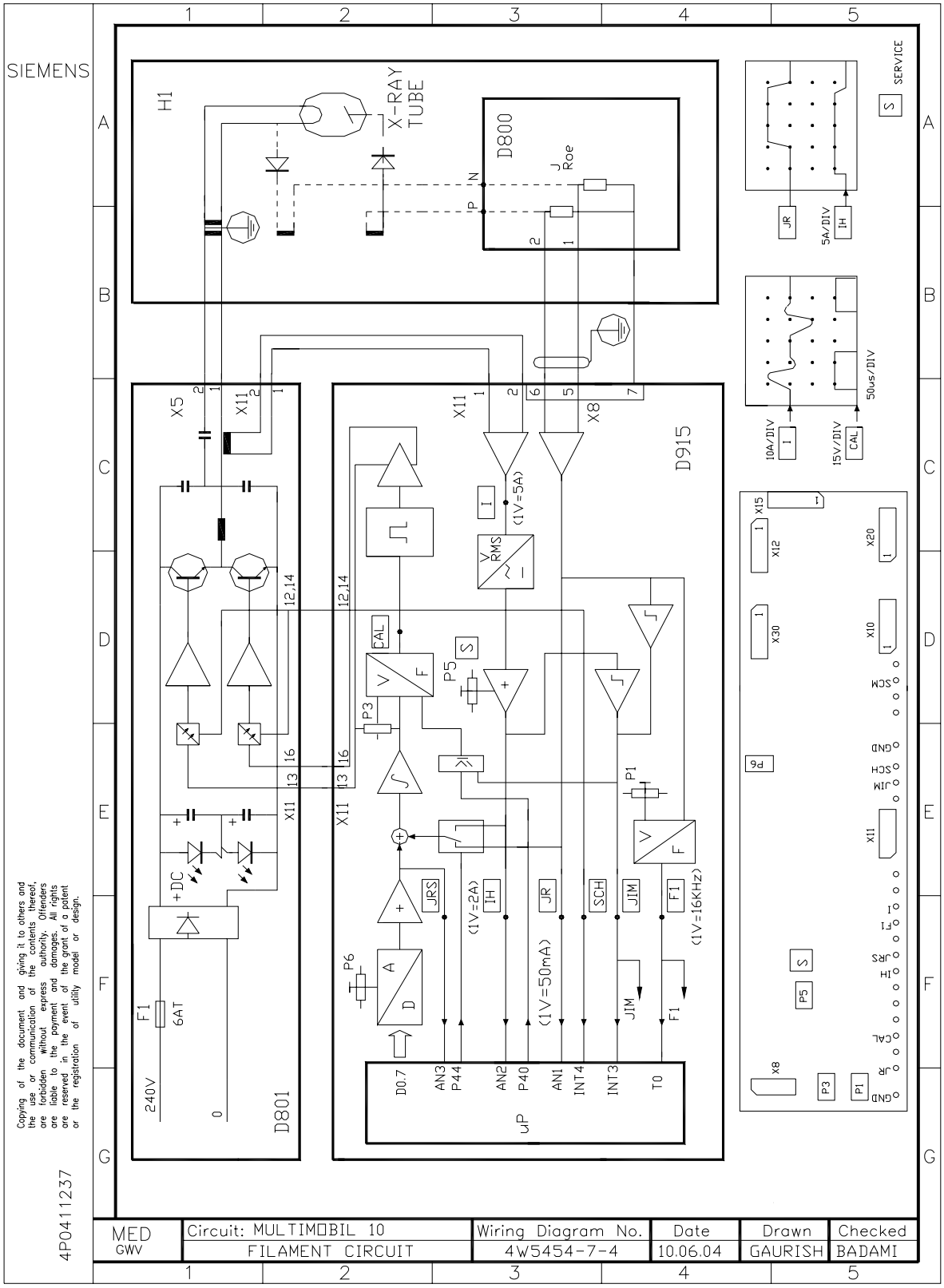
4P0411237
MED
GWV
Circuit: MULTIMOBIL 10
KV REGULATION PRINCIPLE
Wiring Diagram No.
4W5454-6-4
Date
10.06.04
Drawn
GAURISH
Checked
BADAMI


SIEMENS
H1
X-RAY TUBE
D800
J Roe
SERVICE
5A/DIV
50us/DIV
10A/DIV
15V/DIV
D915
D801
X5
X11
X8
+DC
F1
6AT
240V
(1V=5A)
(1V=2A)
(1V=50mA)
(1V=16KHz)
D0.7
AN3 P44
AN2 P40
AN1
INT4
INT3
T0
µP
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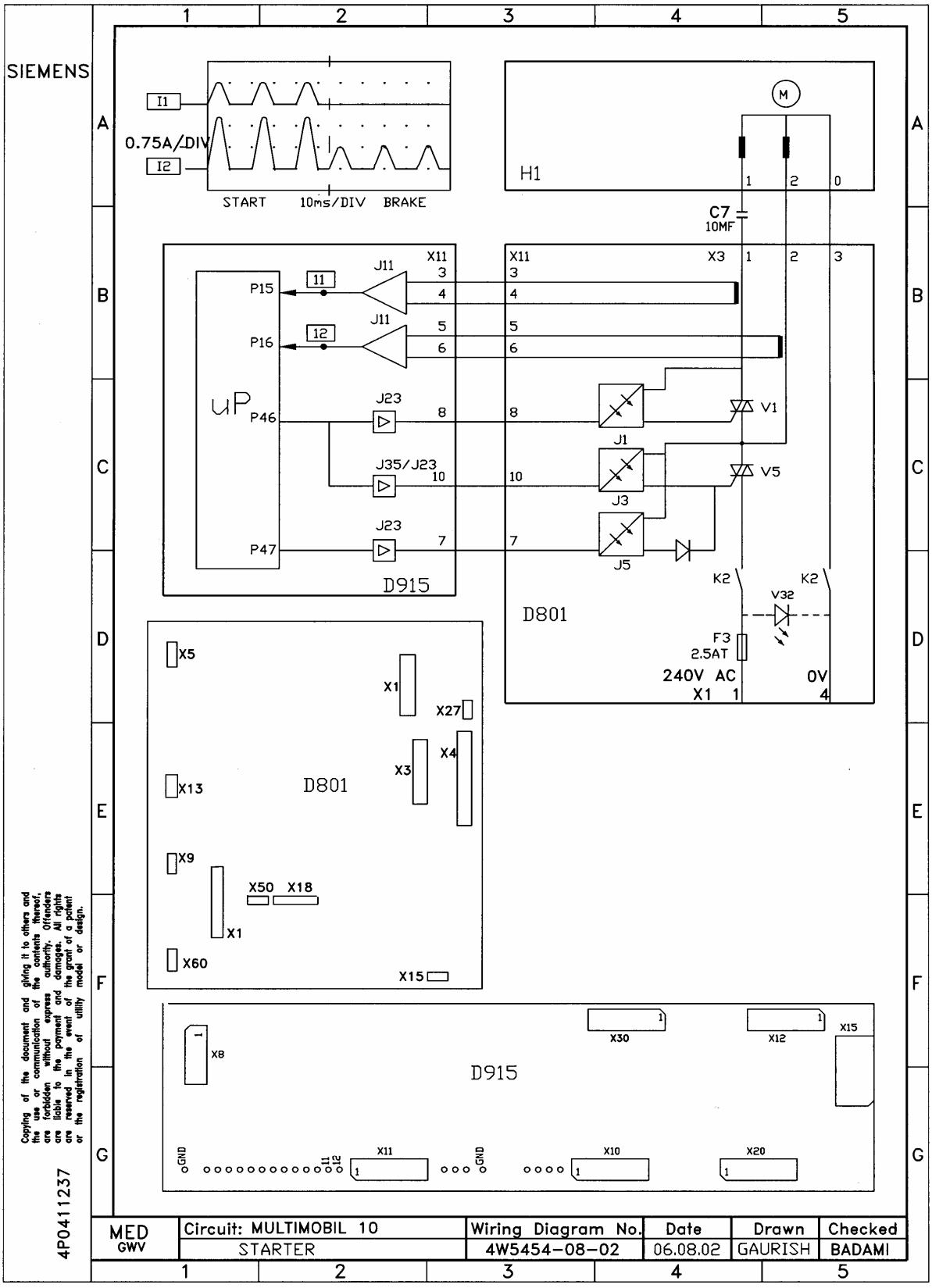
4P0411237
MED GWV
Circuit: MULTIMOBIL 10
FILAMENT CIRCUIT
Wiring Diagram No.
4W5454-7-4
Date
10.06.04
Drawn
GAURISH
Checked
BADAMI


SIEMENS
I1
0.75A/DIV
I2
START
10ms/DIV
BRAKE
H1
M
C7
10MF
X11
X3
J11
P15
11
P16
12
J11
P46
J23
J35/J23
P47
J23
D915
V1
V5
J1
J3
J5
K2
K2
V32
F3
2.5AT
240V AC
X1 1
0V
4
D801
X5
X1
X27
X4
X3
X13
D801
X9
X50
X18
X1
X60
X15
D915
X30
X12
X15
X8
GND
X11
GND
X10
X20
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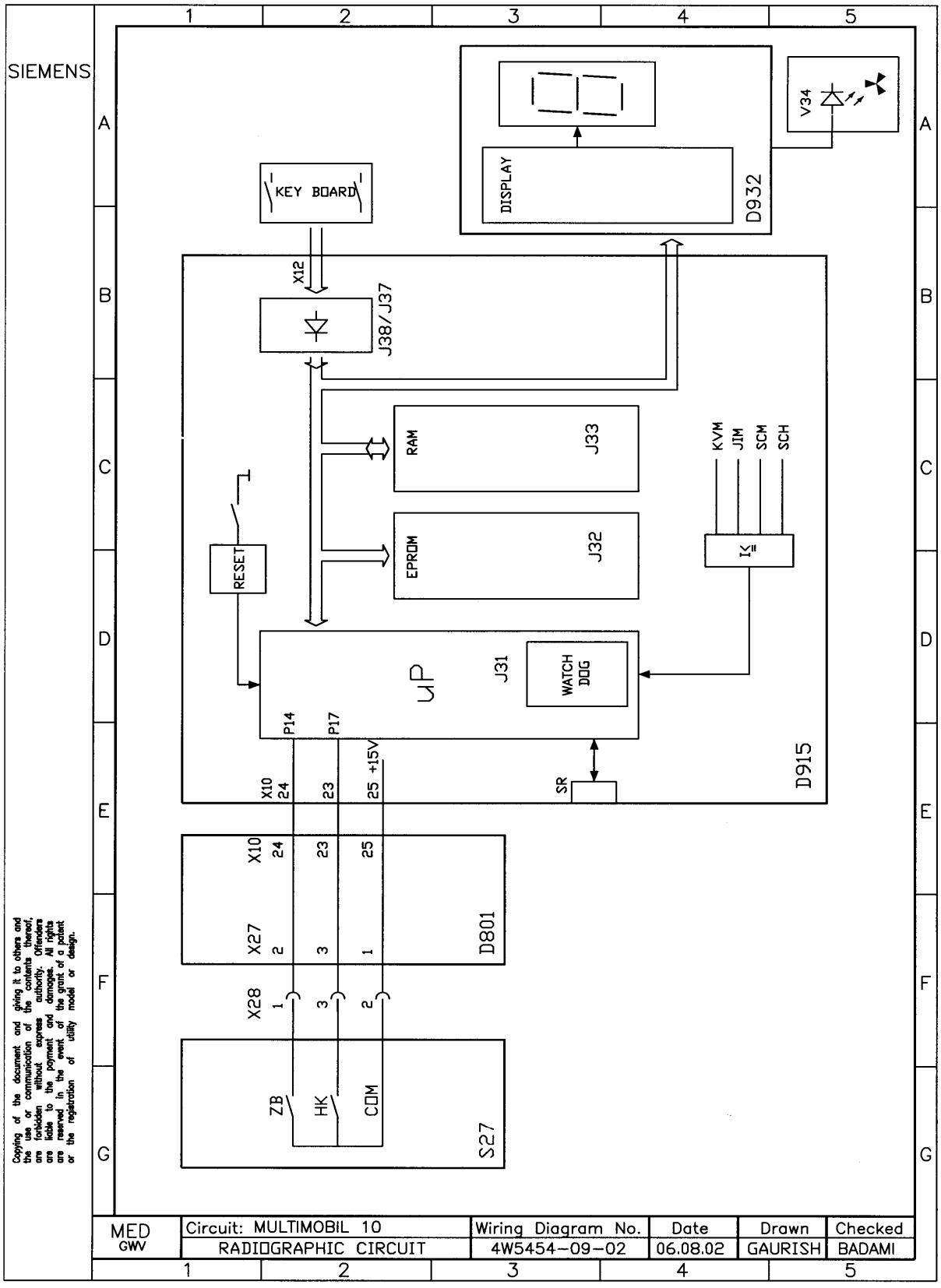
4P0411237
MED
GWV
Circuit: MULTIMOBIL 10
STARTER
Wiring Diagram No.
4W5454-08-02
Date
06.08.02
Drawn
GAURISH
Checked
BADAMI



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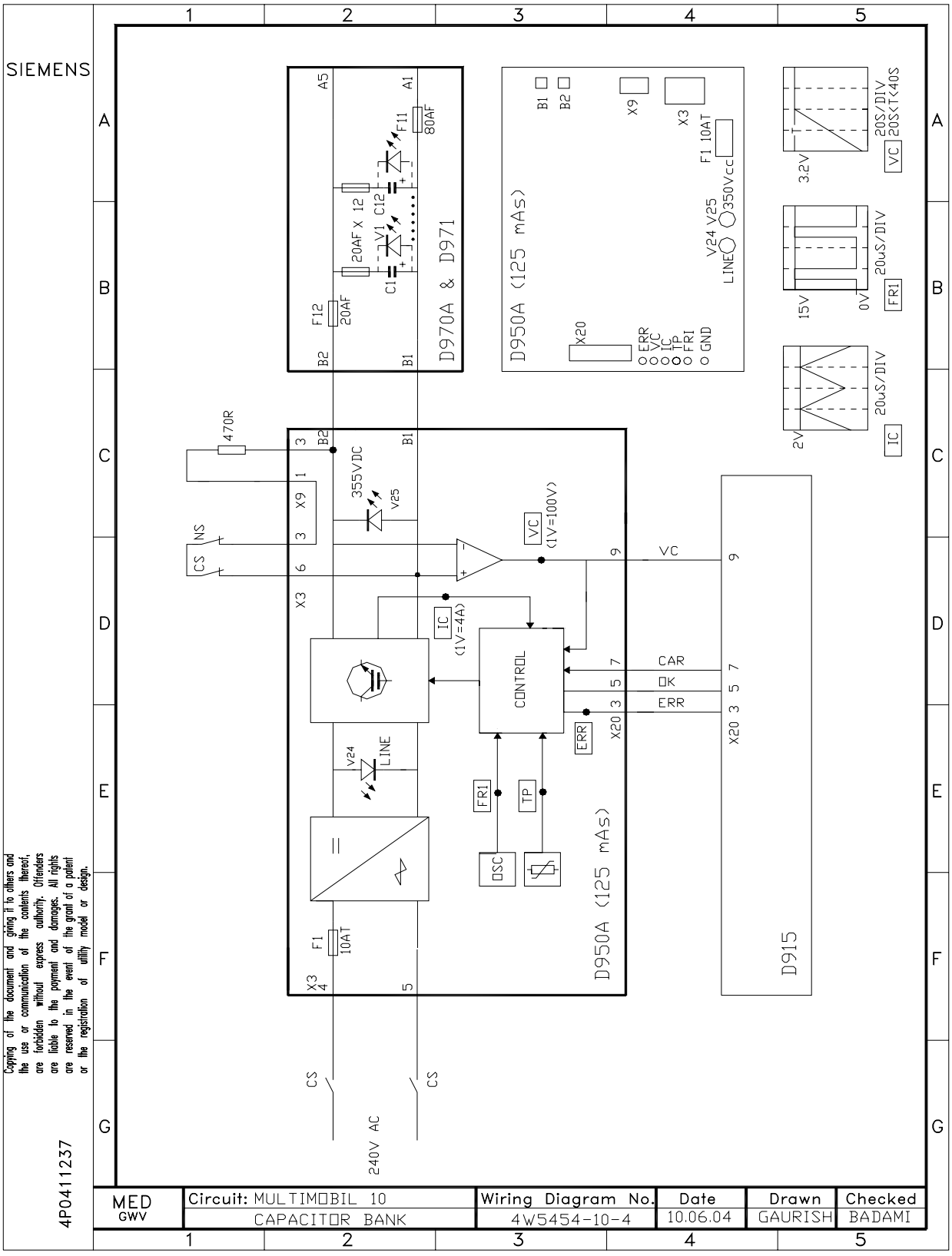
SIEMENS
D970A & D971
D950A (125 mAs)
D950A (125 mAs)
D915
CONTROL
355VDC
470R
20AF X 12
F12 20AF
F11 80AF
F1 10AT
V1
C1
C12
V24 V25
LINE
350Vcc
ERR
VC
IC
TP
FR1
GND
X20
X3
X9
B1
B2
A5
A1
NS
CS
V25
V24
LINE
VC
(1V=100V)
IC
(1V=4A)
CAR
OK
ERR
FR1
TP
OSC
240V AC
3.2V
20S/DIV
20S<T<40S
15V
0V
20uS/DIV
2V
20uS/DIV
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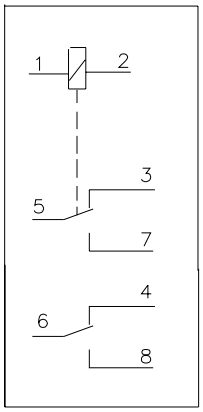
4P0411237
MED GWV
Circuit: MULTIMOBIL 10
CAPACITOR BANK
Wiring Diagram No.
4W5454-10-4
Date
10.06.04
Drawn
GAURISH
Checked
BADAMI

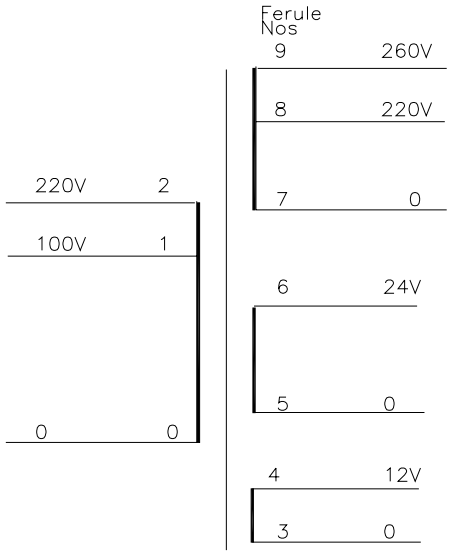
SIEMENS

Miniature Power Relay (68 DP)



D801					
K1	K2	K3	K4	K5	CS1
* 2/A1	2/A4	2/A3	1/D4	2/A2	2/A5
2/A2	1/C3	1/D2	1/D2	1/E3	1/C2
–	1/C3	1/D2	1/D2	2/B2	1/D2

* NOTE :2/A1 –Refers to D801 circuit diagram Page no. 2 Row A column 1



R–CORE TRANSFORMER

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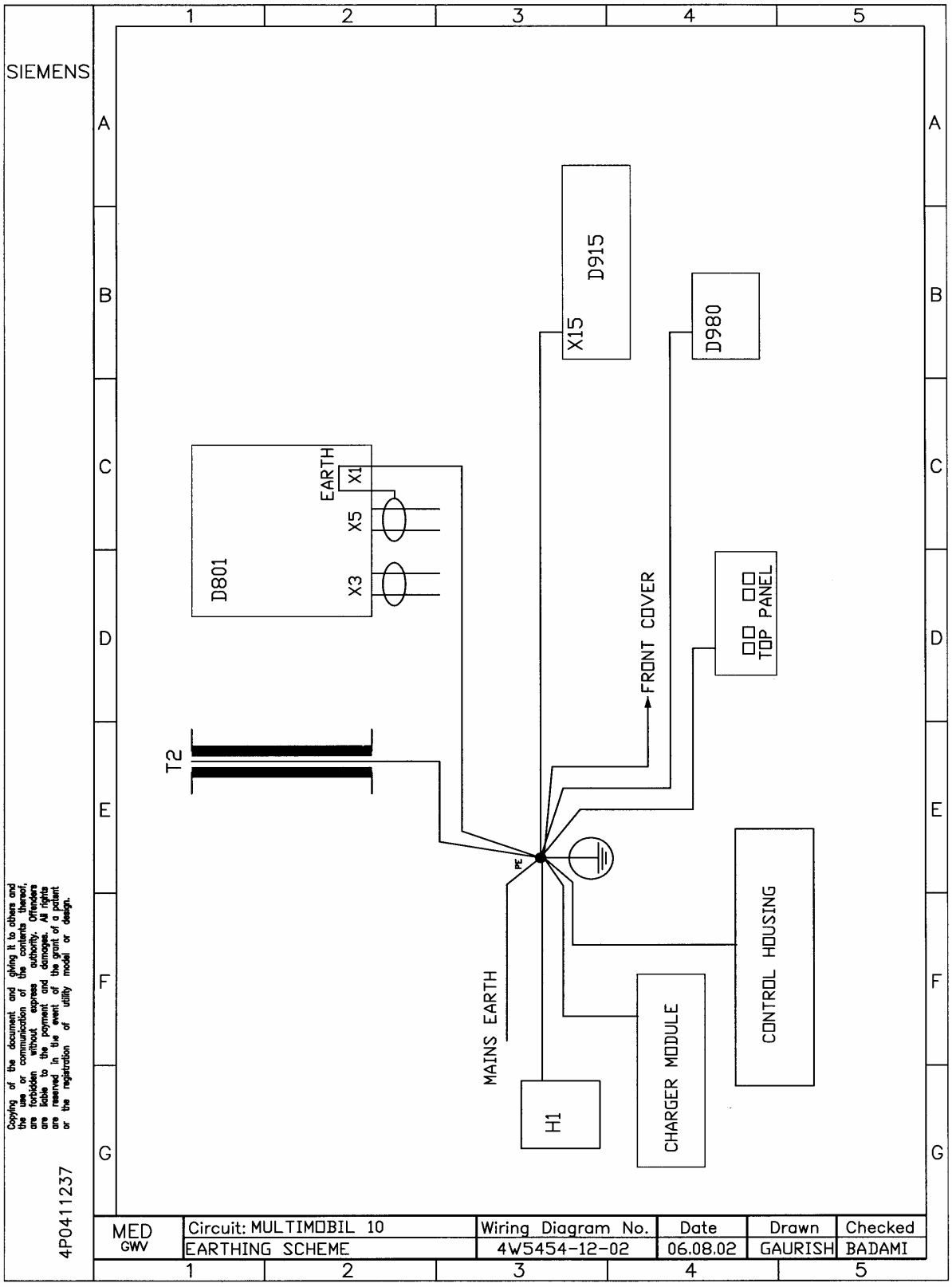
4P0411237

MED GWV	Circuit: MULTIMOBIL 10 MINIATURE POWER RELAYS	Wiring Diagram No. 4W5454–11–4	Date 10.06.04	Drawn GAURISH	Checked BADAMI


SIEMENS
1
2
3
4
5
A
B
C
D
E
F
G
D915
X15
D980
EARTH
X1
X5
X3
D801
T2
FRONT COVER
TOP PANEL
PE
MAINS EARTH
H1
CHARGER MODULE
CONTROL HOUSING
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4P0411237
MED
GWV
Circuit: MULTIMOBIL 10
EARTHING SCHEME
Wiring Diagram No.
4W5454-12-02
Date
06.08.02
Drawn
GAURISH
Checked
BADAMI